

ABBREVIATED TREE PRESERVATION PLAN

– Reference Guide –

Urban Forester – (479) 444-3470

Part I: Abbreviated Tree Preservation Plan (ATPP) – Introduction

Abbreviated Tree Preservation Plan Requirements (ATPP) §167.04 (H)(3)

Projects not falling under the full planning review process should submit an abbreviated tree preservation plan. Such projects include:

- All non-residential Building Permits
- Building Permits (excluding pools) within the Hillside Hilltop Overlay District (HHOD)
- All residential Building Permits for 3 units or more
- All Grading Permits (excluding single family and duplex lots)
- All Parking Lot Permits

The Abbreviated Tree Preservation Plan can be combined with the proposed project's site plan or grading plan. The title Abbreviated Tree Preservation Plan must appear somewhere on the title of the drawing.

Preliminary Review – An initial site review with the Urban Forester prior to site design is highly recommended for the most efficient movement through the permit process. Contact Urban Forester at 479-444-3470.

Tree preservation

The Tree Preservation and Protection Ordinance, Chapter 167 clearly establishes a statement of purpose and a list of objectives and principles for such an ordinance. *It is the purpose of this chapter to protect and promote the health, safety, and general welfare and preserve and enhance the natural beauty of Fayetteville by providing for regulation of the preservation, planting, maintenance, and removal of trees within the City, in order to accomplish the following objectives:*

- 1. To preserve existing tree canopy.*
- 2. To create a healthful environment for Fayetteville residents, businesses, and industries.*
- 3. To moderate the harmful effects of sun, wind, and temperature changes.*
- 4. To buffer noise, air, and visual pollution.*
- 5. To filter pollutants from the air and assist in the generation of oxygen.*
- 6. To reduce stormwater runoff and the potential damage it may create.*
- 7. To stabilize soil and prevent erosion.*
- 8. To provide habitat for birds and other wildlife.*
- 9. To help preserve river and stream beds and prevent sedimentation.*
- 10. To screen incompatible land uses.*
- 11. To promote energy conservation.*
- 12. To protect and enhance property values.*

Part II: Abbreviated Tree Preservation Plan (ATPP) – Task Checklist

An initial site review with the Urban Forester prior to site design is highly recommended for the most efficient movement through the City's full permitting process. Complete each checklist item to submit ATPP for review by the Urban Forester.

Basic Plan Requirements for ATPP:

1. Use lot survey as base plan.
 - a. Use existing survey, hire surveyor, or contact Washington County Courthouse to request a print of lot within your plat.
 - b. Label Master Street Plan Right of Way (R.O.W.) and existing easements.
 - c. Ensure that the following are included on base plan:
 - i. Labeled streets
 - ii. Graphic scale and north arrow
 - iii. Title block – label plan *Abbreviated Tree Preservation Plan*, include project name and project address
2. Calculate total site area.
 - a. To calculate total site area, add R.O.W. and easements, then subtract from total area within property lines. $\text{Total Property Area} - (\text{R.O.W. Area} + \text{Easements Area}) = \text{Total Site Area}$

Show *Existing Conditions* on ATPP:

3. Show all existing infrastructure. This includes buildings, structures, decks, pools, utilities and existing easements.
4. Show existing topography with contour lines.
5. Survey and provide data on all existing trees and/or groups of trees.
 - a. Survey all trees that are 3" caliper (diameter width) or larger. Plan should relate to Table described below in item 'b'.
 - i. Label each tree or grouping with a unique identification number.
 - ii. Measure each trunk diameter at breast height (DBH).
 - iii. Measure diameter of canopy spread of each tree or tree grouping. (Measure edges of drip line).
 - iv. Include all off-site trees within 100' of property. If an off-site tree is affected by proposed construction, then the tree cannot be counted as preserved. Adjacent property owner's written approval to affect tree is required.
 - b. Complete a Tree Survey Table. See example in **Part III** of this document.

Show *Proposed Changes and Tree Preservation Techniques* on ATPP:

6. Show all proposed infrastructure. This includes buildings, building extensions, structures, decks, pools, patios, walls, paths, drives, utilities, and proposed easements.
7. Show proposed site grading with contour lines. Show existing contours as dashed lines and proposed contours as solid lines. No grading is allowed under canopy of trees proposed as preserved. Any grading under tree canopy will affect the tree.
 - a. Depict limits of soil disturbance.
8. Show tree canopy to be removed. Mark trees to remove with an "X" on plan. (Trees with soil disturbance, material storage, or construction traffic within their dripline cannot be counted as preserved. All efforts should be made to preserve trees).

9. Show tree canopy to be preserved.
a. Indicate on plan which preservation techniques will be used:
i. Tree protection fencing
ii. Horizontal or vertical planking, if required
iii. Limits of root pruning, if required
b. Include the following on the plan:
i. Proposed construction traffic flow on site
ii. Location of material and waste storage
iii. Location of concrete washout

Tables and Details required with ATPP:

10. Complete and submit the following tables to the Urban Forester. See examples below in Part III: Required Tables:
a. Tree Survey Table
b. Canopy Measurements Table
c. Mitigation Table
d. Mitigation Type Table
11. Print and provide the contractor(s) with the following details, as provided in Part IV: Details for Contractor (Urban Forester does not need these items). :
a. Tree Preservation Fencing Detail
b. Planking Detail, if required
c. Tree Planting Detail, for any required tree mitigation

Part III: Abbreviated Tree Preservation Plan (ATPP) – Required Tables

Complete and submit the following tables along with plan to the Urban Forester.

Tree Survey Table Example (use correct trees and related data from project site):

#	Species	DBH	Diameter	Health	Priority	Comments	Status
1	Red Oak	18"	45'	Good	High	Significant	Save
2	Hackberry	20"	50'	Excellent	High		Save
3	Red Maple	16"	35'	Poor	Med	Ice storm damage	Save
4	Tree of Heaven	4"	15'	Good	Low		Remove
5	Bois-D Arc	6"	20'	Fair	High		Save*
6	Elm American	24"	20'	Dead	-	Not counted	Remove
7	Group 'A'	6" – 18"		Good	Medium	Ash, Willow and Hackberry	Save
8	Group 'B'	4" – 14"		Good	Low	Mimosa, Bradford Pear (invasive)	Remove

Save* = Canopy to be saved but not counted towards preservation calculations due to works in critical root zone.
Native trees are considered high priority unless their health is poor.

Canopy Measurements Table:

Total Site Area (minus Master Street Plan ROW, existing easements, and Dedicated Parkland)	
square feet	
Existing Tree Canopy (minus ROW and existing easements)	
square feet	
percent of site area	
Tree Canopy Preserved	
square feet	
percent of site area	
Tree Canopy Removed (including off-site canopy)	
square feet	
percent of total site area	
Zoning	
Site Percent Min. Canopy Required per Zoning	%

Mitigation:

Canopy Below Required	Preservation Priority/Type	Forestation Base Density (ft2)	Number of 2" caliper trees to be planted
ft2	High Priority	218	
ft2	Mid Priority	290	
ft2	Low Priority	436	
Total Mitigation			

Mitigation Type Requested:

	On-site	Off-site	Escrow
Number of trees			

On-site:

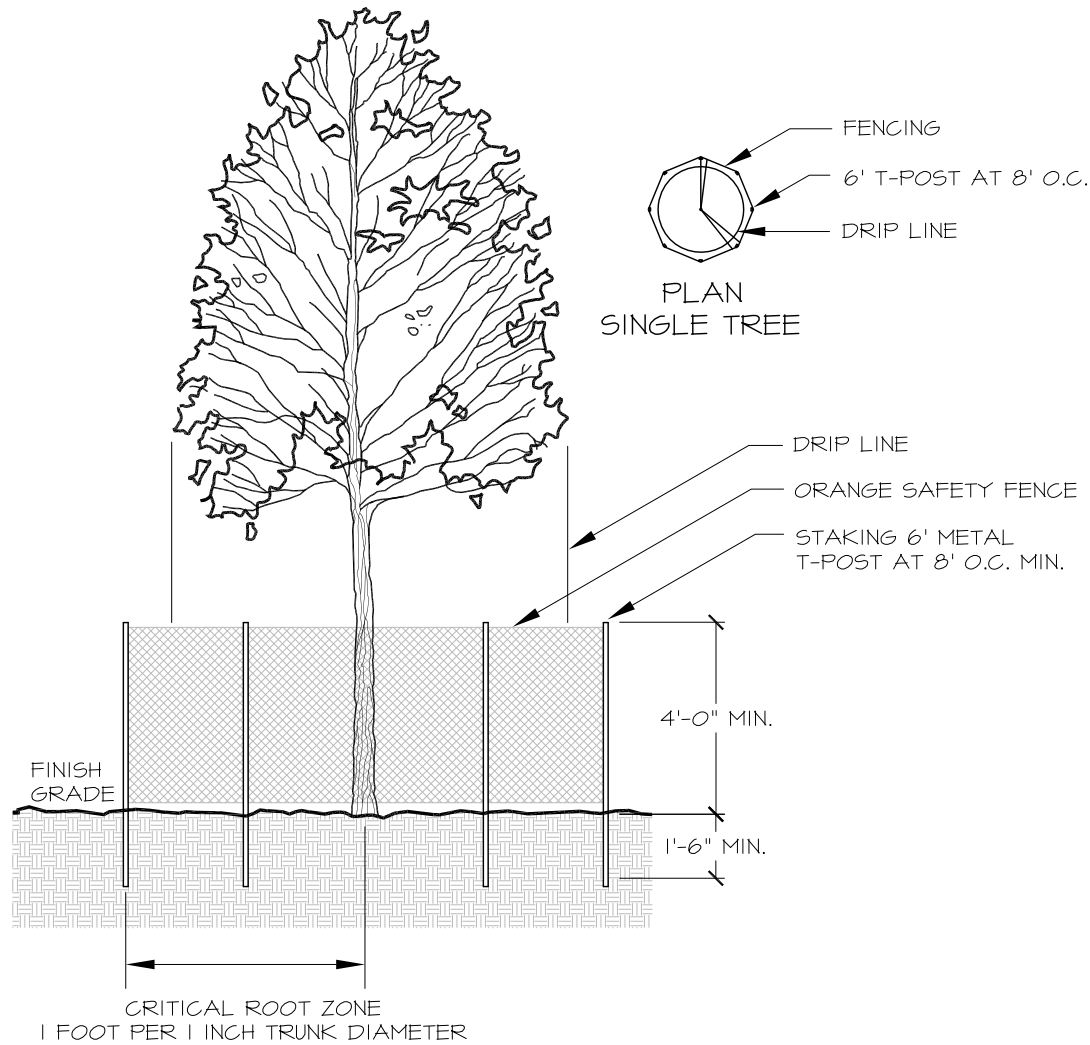
If On-Site is selected, show location of proposed mitigation trees on plan. Trees spaced at 20' o.c. minimum. In Plant List Table, identify proposed species (large species required, see Landscape Manual p.74), quantity, and size (min 2" caliper).

Off-site:

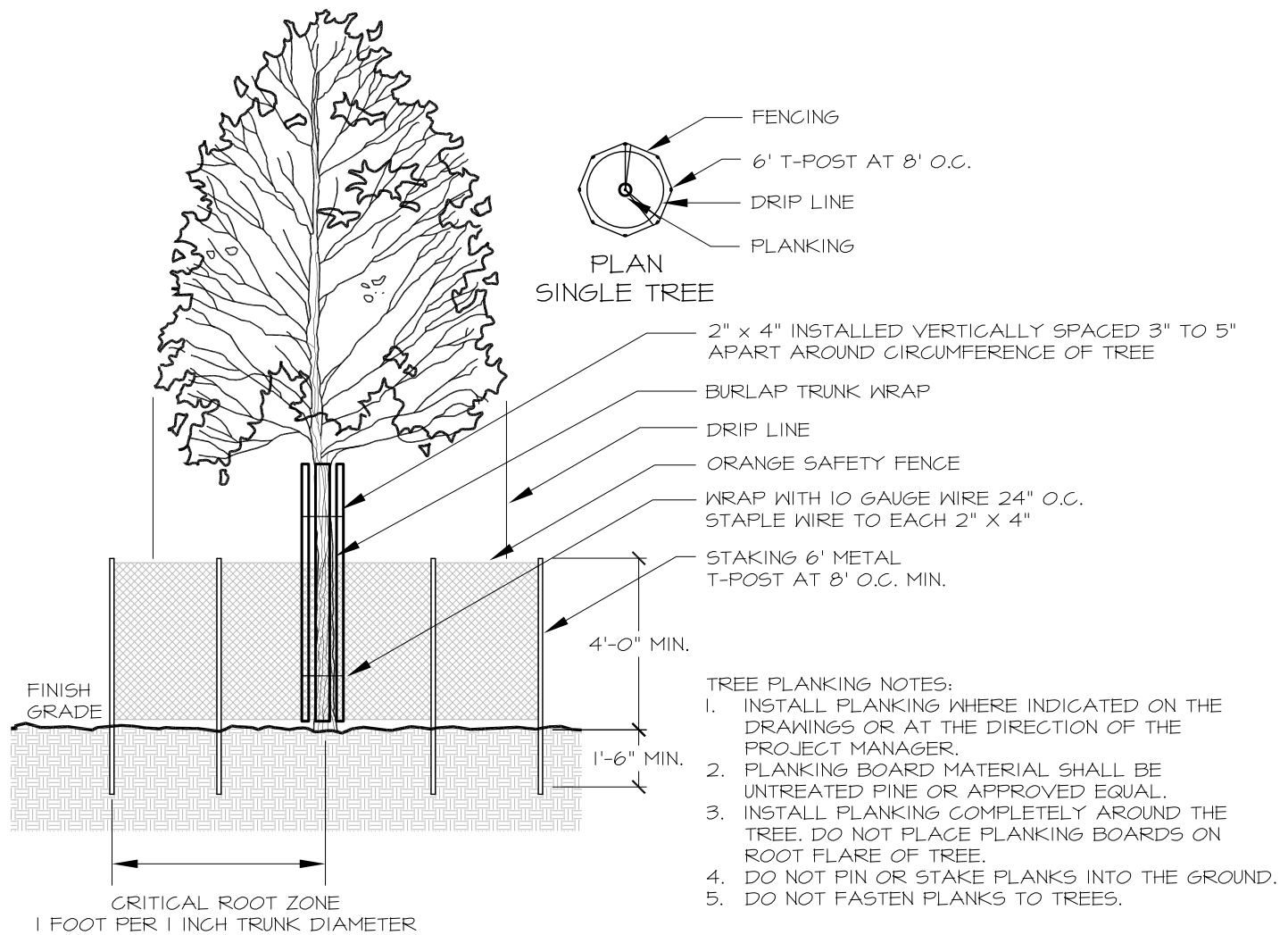
If Off-Site is selected, the owner must also own the property where the trees are proposed. A separate plan must show location of proposed mitigation trees. Trees spaced at 20' o.c. minimum. In Plant List Table, identify proposed species (large species required, see Landscape Manual p.74), quantity, and size (min 2" caliper).

Escrow:

If Escrow is selected, list number of trees x \$675 per tree = total \$ value on plan.



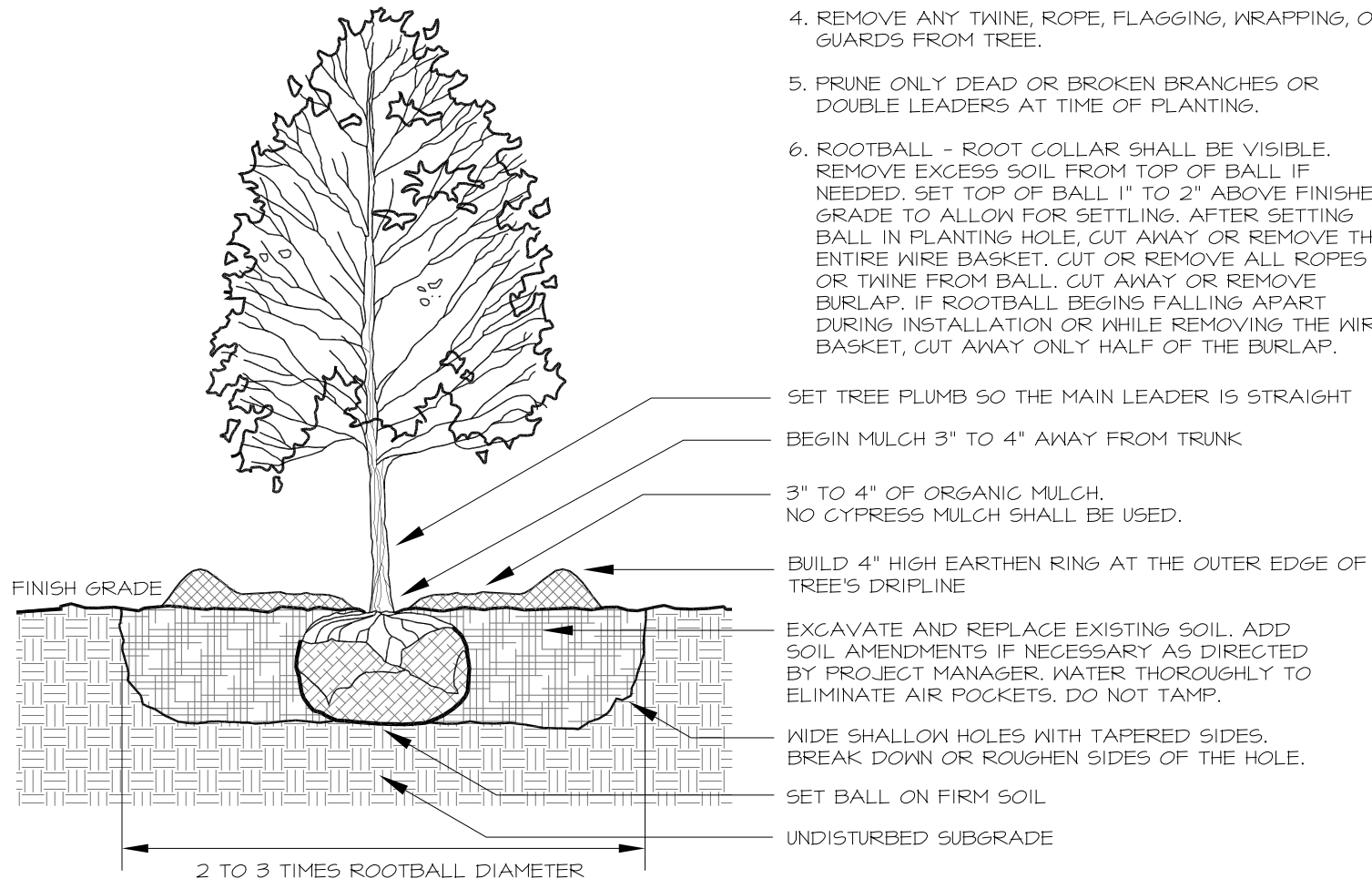

TREE PRESERVATION FENCING DETAIL
 NOT TO SCALE



○ TREE PRESERVATION FENCING AND PLANKING DETAIL
NOT TO SCALE

NOTES:

1. TREES SHALL BE 2" CALIPER MINIMUM.
2. THE HOLE FOR THE TREE SHALL BE EXCAVATED 2-3 TIMES THE SIZE OF THE ROOT BALL.
3. STAKE ONLY IF NECESSARY AND AS DIRECTED BY THE PROJECT MANAGER.
4. REMOVE ANY TWINE, ROPE, FLAGGING, WRAPPING, OR GUARDS FROM TREE.
5. PRUNE ONLY DEAD OR BROKEN BRANCHES OR DOUBLE LEADERS AT TIME OF PLANTING.
6. ROOTBALL - ROOT COLLAR SHALL BE VISIBLE. REMOVE EXCESS SOIL FROM TOP OF BALL IF NEEDED. SET TOP OF BALL 1" TO 2" ABOVE FINISHED GRADE TO ALLOW FOR SETTLING. AFTER SETTING BALL IN PLANTING HOLE, CUT AWAY OR REMOVE THE ENTIRE WIRE BASKET. CUT OR REMOVE ALL ROPES OR TWINE FROM BALL. CUT AWAY OR REMOVE BURLAP. IF ROOTBALL BEGINS FALLING APART DURING INSTALLATION OR WHILE REMOVING THE WIRE BASKET, CUT AWAY ONLY HALF OF THE BURLAP.



TREE PLANTING DETAIL

NOT TO SCALE